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# Pro/ENGINEER User's Guides

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This is a list of all Pro/ENGINEER User's Guides online documentation. Click a book name to access its Table of Contents.

## Documentation Updates

### Site Set

Customer Service Guide

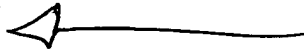
Installation and Administration Guide

Release Notes

- Release 18.0

- Release 18.0+

- Release 19.0



### Basic Set

Assembly Modeling User's Guide

Includes Assembly mode and the optional module Pro/ASSEMBLY.

Drawing User's Guide

Includes Drawing, Format, Report, and Markup modes. These modes include the optional modules Pro/DETAIL, Pro/REPORT, and Pro/MARKUP.

Fundamentals

System organization, using Pro/ENGINEER, and basic functions common to multiple modes.

Interface Guide

Includes all Pro/ENGINEER interfaces, including the optional modules Pro/INTERFACE, Pro/CAT, Pro/ECAD, and Pro/CDT.

Part Modeling User's Guide

Includes Sketcher, Part, and Layout modes and the optional modules Pro/NOTEBOOK, Pro/FEATURE, and Pro/SURFACE

### User's Guides

Pro/CMM(TM) User's Guide

Pro/CABLING(TM) and Pro/HARNESS-MFG(TM) User's Guide

Pro/CASTING(TM) User's Guide

Pro/COMPOSITE(TM) User's Guide

Pro/DIAGRAM(TM) User's Guide

Pro/DIEFACE(TM) User's Guide

Pro/LEGACY(TM) User's Guide

Pro/MESH(TM) and Pro/FEM-POST(TM) User's Guide

[Pro/MFG\(TM\) and Pro/NC-CHECK\(TM\) User's Guide](#)  
[Pro/MOLDESIGN\(TM\) User's Guide](#)  
[Pro/NCPOST\(TM\) User's Guide](#)  
[Pro/PIPING\(TM\) User's Guide](#)  
[Pro/PROCESS for ASSEMBLIES\(TM\) User's Guide](#)  
[Pro/PROCESS for MANUFACTURING\(TM\) User's Guide](#)  
[Pro/PHOTORENDER\(TM\) User's Guide](#)  
[Pro/REVIEW\(TM\) User's Guide](#)  
[Pro/SCAN-TOOLS\(TM\) User's Guide](#)  
[Pro/SHEETMETAL\(TM\) and Pro/NC-CHECK\(TM\) User's Guide](#)  
[Pro/TOOLKIT\(TM\) Reference Manual](#)  
[Pro/TOOLKIT\(TM\) User's Guide](#)  
[Pro/VERIFY\(TM\) User's Guide](#)  
[Pro/Web.Link\(TM\) User's Guide](#)  
[Pro/WELDING\(TM\) User's Guide](#)

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### **User Defined Help Topics**

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# Release Notes

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## New Products

Parametric Technology is pleased to announce the availability of two new products in Release 19.0: Pro/CDM<sup>TM</sup> and Pro/Web.Link<sup>TM</sup>.

### Pro/CDM

Pro/CDM enables users to maintain, modify, and revise mainframe CADAM drawings in a desktop environment. Pro/CDM maintains familiar CADAM structures so that users can access, update, and plot legacy CADAM drawings with minimal or no retraining. Users can be instantly productive maintaining their CADAM drawings upon installing Pro/CDM. This will greatly assist customers' migration from mainframe systems.

Supported platforms include Windows NT, Windows 95, HP-UX, Sun Solaris, SGI Irix, and IBM AIX.

CADAM operators will require virtually no retraining. Pro/CDM moves the CADAM hardware function pad to a button box on the screen, where it is represented as a group of button icons that users select with the mouse. Pro/CDM also includes context-sensitive help screens and online documentation.

CADAM data structures are fully supported in Pro/CDM. Drawing data remains structurally intact when moved from CADAM into Pro/CDM. CADAM structures such as Detail Pages, Balloons, Dittos, Auxiliary View Structures, Special Characters, Dimensions, Symbol Tables, and other elements are not exploded but maintain structural integrity.

CADAM models are almost exclusively 2-D. Pro/CDM is primarily a 2-D drawing and revision tool; one of its main functions is to maintain the data structures of 2-D CADAM. (People often refer to CADAM as a 2-D product because it is limited in how various drawing entities in different views relate to each other. Pro/CDM supports this 2-D environment.)

Pro/CDM's CADAM Data Reuse (CDR) function makes the creation of new Pro/ENGINEER models even faster by capturing valuable design intent from CADAM. CDR takes advantage of the 2-D aspect of CADAM drawings by locating selected geometry in the Pro/ENGINEER Sketcher automatically. Proper placement of feature profiles, combined with the automatic dimensioning capabilities of Pro/ENGINEER, ensure a rapid conversion of 2-D drawings to 3-D associative geometry.

### Pro/Web.Link

Pro/Web.Link lets you use the Web as a powerful engineering tool. You can create custom Web pages

that interact with a session of Pro/ENGINEER, perform a variety of engineering tasks automatically, and combine these Web applications to create a sophisticated Web engineering environment. This environment contains the information required to perform the engineering work, while at the same time automating the application of that information.

You construct Web pages using a standard Web page editing tool and then embed simple JavaScript commands in them. The JavaScript commands that interact with Pro/ENGINEER make up the Pro/Web.Link application programming interface (API).

**Note:**

Pro/Web.Link requires Netscape Navigator version 4.03 or higher. This version of Navigator is *not* shipped with PTC products.

## Components

- A powerful, high-level set of JavaScript commands (API) that can be used to automate many of the core capabilities of Pro/ENGINEER.
- An API browser to provide quick and thorough reference for the Pro/Web.Link API.

## Uses

- Interactive design documentation
  - Web-based documentation that describes and illustrates the engineering use of a product.
  - Web-based documentation that describes and illustrates an engineering change.
- Intelligent, interactive tutorials, combining Web pages with video, audio, and Pro/ENGINEER model manipulation to show how to perform an engineering task.
- Engineering design assistants
  - Gear wizard that modifies a standard gear based on requirements entered on a Web page.
  - Web page that enforces company-wide modeling standards.
- Helper applications
  - Web page that allows tweaking of standard parameters and dimensions.
  - Web-based tool for performing simple design optimizations based on database query results.

## Features

- Extensive API covering core Pro/ENGINEER functionality.
- Complete control of security; Pro/ENGINEER users can control the types of things a Web page

can do to the Pro/ENGINEER session.

- Web-based online API browser that provides easy access to function documentation and facilitates rapid Web page development.

## Capabilities

- File Operations: Save, Retrieve, Rename.
- Simplified representations.
- Features: Info, Suppress, Resume, Delete.
- Mass Properties, Materials.
- Assembly: Info, Replace, Explode States.
- Dimensions, parameters, regeneration.
- Selection, display, highlight, windows, view.

## Benefits

- Streamlined process flow.
- Consistent information reuse and consistent enforcement of standards throughout a corporation.
- Integration of enterprise information tools into a controlled, distributed, platform-independent environment.

## Documentation for Pro/Web.Link

For detailed information about Pro/Web.Link, see the:

- *Pro/Web.Link User Guide*
- Online browser that describes the syntax of the Pro/Web.Link functions and provides a link to the online version of the User Guide

## Pro/Web.Link Installation

Pro/Web.Link installation information appears in an addendum to the *Pro/ENGINEER Release 19.0 Installation Guide*. The addendum can be found:

- In the online version of the Installation Guide (see the online table of contents for the Installation Guide for a link to the addendum).
- As a printed document shipped with the product.

# Updates

- Two chapters of the *Pro/TOOLKIT*™ User's Guide have significant changes. You can find the updated User's Guide in the online books. This updated version supercedes the *Pro/TOOLKIT*™ User's Guide for Release 18.
- There are two online-only files containing information about additional config.pro options and documentation updates. Links to these files can be found on the Pro/HELP Books page.



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